

Ingram Micro

AWS K-12, Higher Education

# Archiving accelerator

Configuration guide

Thank you for choosing Ingram Micro  
as your AWS Provider.

If you have any questions, please send us an  
e-mail on [awscanada@ingrammicro.com](mailto:awscanada@ingrammicro.com)



# Overview

It's a service configured on AWS with S3 Buckets and Amazon Glacier that offers long-term, secure, encrypted, durable object storage for data archiving. This service is compatible with the market's main backup solutions such as Veeam Backup & Replication and Veritas Backup Exec, allowing those solutions to send backup data directly to cloud.

## Before you begin you will need (required):

**An active AWS account with admin credentials**  
(create yours at [www.ingrammicrocloud.com](http://www.ingrammicrocloud.com))

**Enroll your AWS account**  
(request at <https://bit.ly/3bUnUce>)

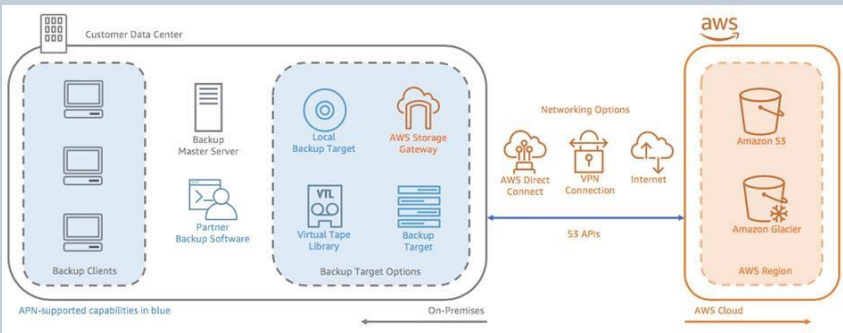
**Archiving template file**  
(download at <https://bit.ly/3HUyihy>)

**A compatible backup solution already deployed and licensed**

## Solution architecture

### Technologies applied:

- S3
- Amazon Glacier



## Cost considerations

This solution includes AWS infrastructure, which can vary depending on the chosen configuration, region and resource consumption (data volume and transactions). Third part solutions licensing mentioned on this guide are not included. The default configuration offered by the automation template considers the following costs:

Region	Service	Monthly	Currency	Configuration summary
EU (Ireland)	S3 Standard	2.58	USD	S3 Standard storage (100 GB per month)
EU (Ireland)	S3 Glacier Flexible Retrieval	4.43	USD	S3 Glacier storage (100 GB per month), S3 Glacier Average Object Size (16 MB)

More details on the AWS Public Calculator: <https://bit.ly/3tlyVwG>

# Configuration instructions

## AWS Architecture

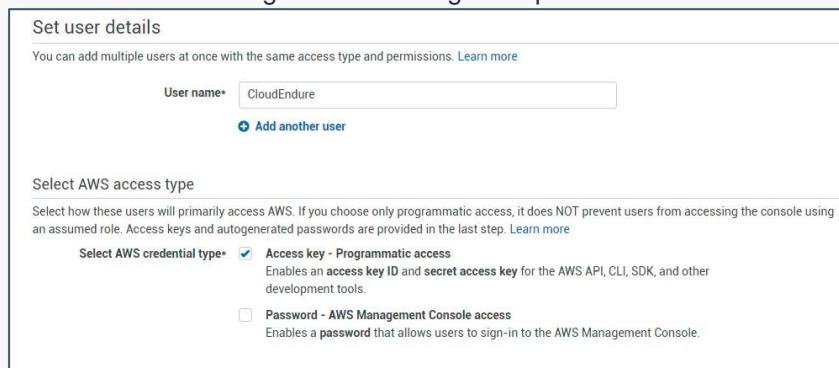
01

Access your AWS console and **select the region** you want to deploy the solution.



Enter **IAM** in the navigation bar, select the option **Users** on the left-hand side then click on [Add user](#).

Fill out the form according to the following example:

A screenshot of the 'Set user details' form in the AWS IAM console. The form has two sections. The first section, 'Set user details', includes a text input for 'User name\*' with the value 'CloudEndure' and a link to 'Add another user'. The second section, 'Select AWS access type', includes a heading 'Select AWS credential type\*' and two radio button options. The first option, 'Access key - Programmatic access', is selected and includes a description: 'Enables an access key ID and secret access key for the AWS API, CLI, SDK, and other development tools.' The second option, 'Password - AWS Management Console access', is unselected and includes a description: 'Enables a password that allows users to sign-in to the AWS Management Console.'

Click on **Next: Permissions**, **Next: Tags**, **Next: Review** and finally on **Create user**.

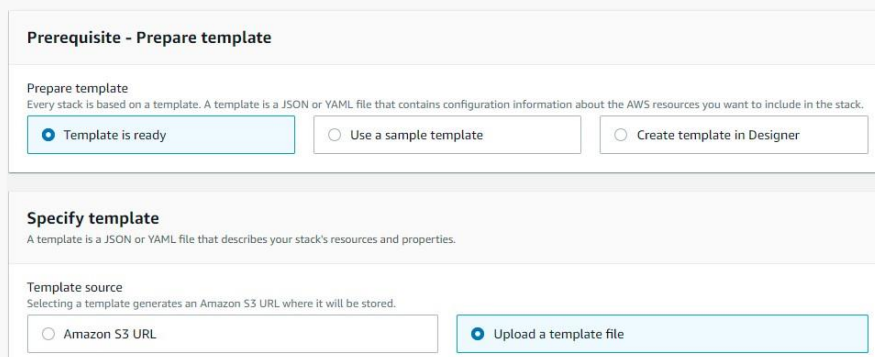
Take note of **Access ID** and **Access Key**.

	User	Access key ID	Secret access key
▶	CloudEndure	AKIA5LN4AVCVFHUOF5B5	***** Show

(This is a sensitive information with your personal key to access resources on AWS, keep the downloaded file safe ).

Enter **Cloud Formation** in the navigation bar and select it, click on [Create Stack](#) and select the option **With new resources (standard)**.

Fill out the form according to the following example:

A screenshot of the 'Prerequisite - Prepare template' form in the AWS CloudFormation console. The form has two sections. The first section, 'Prepare template', includes a heading 'Prepare template' and a description: 'Every stack is based on a template. A template is a JSON or YAML file that contains configuration information about the AWS resources you want to include in the stack.' It has three radio button options: 'Template is ready' (selected), 'Use a sample template', and 'Create template in Designer'. The second section, 'Specify template', includes a heading 'Specify template' and a description: 'A template is a JSON or YAML file that describes your stack's resources and properties.' It has a heading 'Template source' and a description: 'Selecting a template generates an Amazon S3 URL where it will be stored.' It has two radio button options: 'Amazon S3 URL' and 'Upload a template file' (selected).

05

Click on **Choose File** and select the **Cloud Backup template file (IM1010Archiving.template)** you downloaded previously.

Click on **Next**.

06

**Give a name** to your deployment (example: archiving). **If necessary**, adjust the parameters.



Stack name

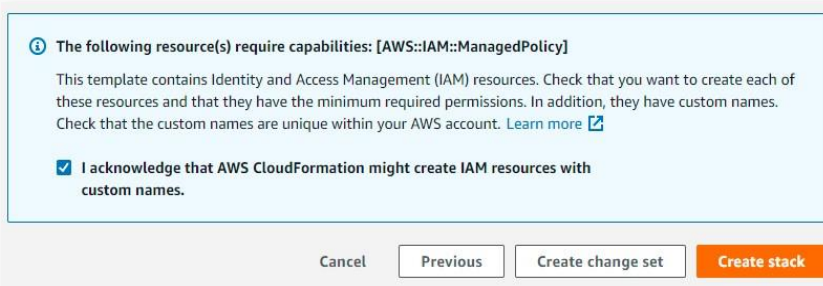
archiving

Stack name can include letters (A-Z and a-z), numbers (0-9), and dashes (-).

Click on **Next** and then on **Next** again.

At the bottom of the next screen, **mark the checkbox “I acknowledge that AWS CloudFormation might create IAM resources with custom names.”** and click on **Create stack**.

07



**The following resource(s) require capabilities: [AWS::IAM::ManagedPolicy]**

This template contains Identity and Access Management (IAM) resources. Check that you want to create each of these resources and that they have the minimum required permissions. In addition, they have custom names. Check that the custom names are unique within your AWS account. [Learn more](#)

☒ **I acknowledge that AWS CloudFormation might create IAM resources with custom names.**

Cancel Previous Create change set **Create stack**

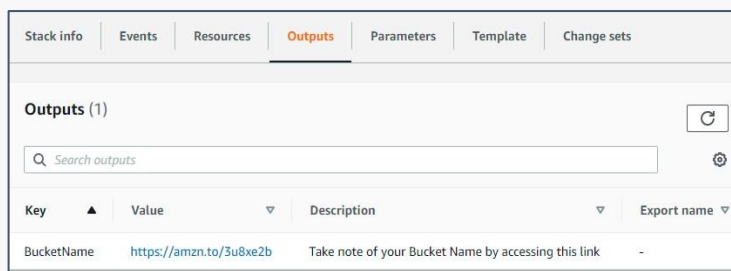
08

Click on **Stack info** and wait until status become “Create Complete”

Status  
CREATE\_IN\_PROGRESS → CREATE\_COMPLETE

Once completed, click on **Outputs** and take note of the **Bucket Name** value

09



Stack info Events Resources **Outputs** Parameters Template Change sets

**Outputs (1)**

Search outputs

Key	Value	Description	Export name
BucketName	https://amzn.to/3u8xe2b	Take note of your Bucket Name by accessing this link	-

# Veeam Backup & Replication 11

10

If you're using Veeam Backup & Replication 11, follow these instructions to configure your credentials with the information you got on **step 3**:

[https://helpcenter.veeam.com/docs/backup/hyperv/cloud\\_credentials\\_aws.html?ver=11.0](https://helpcenter.veeam.com/docs/backup/hyperv/cloud_credentials_aws.html?ver=11.0)

11

Follow these instructions to add AWS S3 account to your console

[https://helpcenter.veeam.com/docs/backup/hyperv/adding\\_external\\_repository.html?ver=11.0](https://helpcenter.veeam.com/docs/backup/hyperv/adding_external_repository.html?ver=11.0)

# Veritas Backup Exec 15

10

If you're using Veritas Backup Exec 15, follow these instructions to add AWS S3 account to your console using the information you got on **step 3** and **step 9**:

[https://www.veritas.com/support/en\\_US/article.100038470](https://www.veritas.com/support/en_US/article.100038470)